

Panama' 1971

llw



MEMOS

19¢

32 SHEETS • SIZE 6 IN. x 4 IN.

No. 204404

Mfd. for McCrory-McLellan - GREEN STORES
YORK, PA. 17402

Panamá (1971)

Collection made by

Cleo E. Volkow and
Robert Dressler

Cleo

(1581) *Pariana*

Strophocarpus
Strophocarpus
Strophocarpus

Calliandra

- Beauveria latialis* (Zuccarini)
- Orthocladus lora* (2 ")
- Streptogyne* (1 m. to 100 m. long)
- Platanus grandis* (B. lobata) 2 fl.
- Streptocarpus solidaria* 2 fl.
- Streptocarpus spicatus* 2
- Platanus chico* (B. lobata) 1 fl.
- Artemisia panamensis* 4 fl.
- Cryptochloa dignita* (J.R.) 2
- Macdougallia tecta* (S.R.) 2, 1, 2.
- Pariana* 1st S.R. to 1 fl.
- Cal. Seronella* 4 fl. 3
- Cryptochloa* sp. 1st S.R. to 1 fl.
- Cryptochloa* violet. S.R. 1 fl. 2 fl. argem.
- Pariana* 2nd - 1 argem. sp. 2 fl.
- Lithospermum* 1 fl.
- Cryptochloa* sp. C. ampans 1
- Platanus chico* C. ampans 1
- Bambusa* - canita, 1
- Streptocarpus solidaria* (canita) 1
argem.

Streptococcus anan. n° 1

Pharus yare n° 2

Barr. Colorado

Streptococcus sodinian. (Barr. Col. 3

Macduffyia #4

Streptoc. sodinian. 5

Macduffyia 6

Halderella 7

Streptocact. spicate 8

" sodiniana 9

Euptochloa chiquita 10

" " " 11

Arberia 12

Paniana 1a 13

Macduffyia 14

Lithacme 15

Euptochloa hesleri 16

~~Ortodoxa~~ 17

Paniana 18 (2a f. Rita

Pharus chico 19

Ortodoxa 20

Orthobates laxa 21

Aseria 22

Streptoch. spicata 23

Aseria 24

Maculoloma 25

Streptoch. 26

Maculoloma 27

Maculoloma 28

Cryptochloa dilleri 29

Pharus grande 30

Orberia 31

Pharus chico 32

Cryptochloa 1^e J. Rite 33

" " " 34

Cryptochloa lampana 35

Alseodella 36

" " 37

Cryptochloa dignita 38

" " 39

Oct 21, 1971

4

3124

Ag. phloem of

Cananda, Prov. of Ontario,
5 km. W. of Colborne,
"La. Ontario"

alt. 800 m.

Small shrub, 1-2 m. tall, in
open, sunny place. The
leaves are green, smooth, and
the flowers are white. The
fruit is a small, round, red
berry. The bark is smooth
and the wood is hard. The
plant is very common in
the area. The leaves are
very green and the flowers
are very white. The fruit
is a small, round, red
berry. The bark is smooth
and the wood is hard. The
plant is very common in
the area.

B. E. Calverton and R. Dresser.

Oct. 21, 1971

↑
2124

Cryptochloa sp.

Panamá, Prov. of Panamá,
5 Km NE of Cerro Jefe,
"La Enciso".

alt: 800 m.s.m.

Small clumps scattered in
forest, in a smooth slope
and along sides of a creek.
Some plants with ~~white~~ axillary
surface of blades dark wine
color. (There are mixed
both kinds of plants in
my herbarium specimens.)

Photo: 5 x w. roll #1 - few
(rain) Helen also took some
with color film and flash.

Fixed material

FAA: sphe, leave - 514 10cc

berg: leaves - 515 10 cc

~~3-1 = no?~~

2121

~~2122~~

Oct. 21, 1971

Panamá, Prov. Panamá, Cerro

Jepe, (Dressler's garden) near the
alt: 800 ? m. ^{beginning of the road to} Cerro Jepe

Bamboo Antennaria ? cc.

climbing bamboo

FAA: leaves - #520

Olyra taguara Swallen rel. aff.

K 2122

(name tag)

cerro Jefe -

Panicum sp. (sterile)

(*Panicum misteriosa*)

Large clumps near the road. Plants with no flowers. These plants have not bloom for several years. Collected in 1968 sterile. Drenler has been watching this clump and never has seen in bloom.

Rhizome collected -

Some plants with variegated leaves -

no fixed material

K, MO, NY, P

2123

~~2123~~

Olyra stanley

~~near~~ Panamé, Prov. de Panamá
cerro Jefe.

Fixed material:

FAA: (2 vials) a) ⁵¹⁶ leaves, culms
and shoot apex; b) ⁵¹⁷ inflorescence.

Boog: ♀ sp. - 518

3:1: inflorescence. 519 (♂ x ♀ sp.)

Photo: b & w - roll # 1? no

October 23, 1971

2125

Panamá, Prov. Panamá, Cerro
La Campana.

Cryptochloa sp.

Fixed material:

FAA: leaves, inflorescence, 521

Living plant: collected (in B. Reed)

Not very abundant, small
clumps in shady places of
the forest

2126

Lehmannia

Panama, Prov. de Panama
cerro Campana.

Fixed material

FAA: 1 vial: leaves, inflorescence
522

Oct. 23, 1972 K, MO 2127
Panamá, Prov. Panamá, Cerro
Campana
Pharus sp.

Living plant: collected
FAA: 1 vol. leaves #523

Bambusa nulloparis, ~~poaceae~~
forma nitida A. & C. Riviere

K 2128

~~Bambusa~~ Panamá, Prov. of Pana
ma, Cerro Campana

Bambusa. (cultivated?)

FAA: 1 vol with leaves 524

~~Oct 27, 1976~~

~~2128~~

Oct. 23, 1976

2129

Panamá, Prov. de Panamá

Cerro Campana

Oryza lateralis

no fixed material

300 m. a.s.l.

Oct. 27, 1976

2130

Macdurelyra tecto

Panamá, Prov. de Panamá

Colón, Santa Rita, ca. 10

Km ~~E~~ of the carretera

Transistmica.

79° 45' long. West

9° 21' lat. North

Alt.: 300 m. s. m.

Living plant: collected

Fixed material:

FAA 2 vials: a) leaves, inflorescences
and?

b) seedlings (~~all dead~~)

3:1 : inflorescences.

Photo: b & w only roll # 1

Frequent in shady place of the
forest, ~~thick~~, The original

type locality was out some
Scattered plants of Macclurea
are still growing there.
They were ~~small~~ small plants
and only few with flowers.
Not far from that place, on
the elevated point plants
were growing well, most
of them with inflores. There
were more taller and
robust. Many seedlings
around clumps.

2131

Panamá, Prov. Colón, Santa Rita, ± 10 km E of the Carretera Transistmice.
Cryptochloa sp.

Living plant: collected.

FAA: leaves, inflorescence.

Common in the forest, in many places assoc. with Macclurotypus.

K

2132

same day & locality

Macclurotypus secte

seedlings - (photographed) (in manuscript)

2133

Sanana, Prov. Colón, Santa
Rita, ± 10 km E of the
Llanos Transistmice
Pariana sp.

Fixed material

FAA. 1 vial: leaves, infloresc.

3:1: 1 vial with inflorescences

Living plant: collected.

4

Oct. 27, 1972

2134

Sanana, Prov. of Colón, Santa
Rita, ca. 5 km E of the Llanos
Transistmice.

$\pm 79^{\circ} 45'$ long West

$9^{\circ} 21'$ lat. North

alt: 200 - 250 m. s.m.

Eupptochloe (Pennis type)

Living plant: collected

FAA: leaves & inflorescences.

Small, succulent plants
growing on a bank, humid
slope, rocky slope.

Oct. 27

2135

Panamá, Prov. of Colón, Santa
Rita, ± 5 km E of the
Carretera Transistmice -
~~at~~ $\pm 79^{\circ} 45'$ long. West
 $9^{\circ} 21'$ lat. North.

alt: \pm ~~200~~ 200 - 250 m. s. m.

Cyrtocloa Dresslerii

Photos. b & w - roll 4

Living plant: collected

Fixed mat:

FAA = leaves & infl. (2)

3:1 = infloresc. (2)

~~Boquet~~ = infl.?

FAA = seedling growing from
spikelet (1)

Oct. 27, 1971

2136

Panamá, Province of Colón
Santa Rita, ± 5 km E of the
Carretera Transistmica.

79° 45' long west

9° 21' lat. north

alt. 200-250 m. s.m.

Panama sp.

Large clumps in bloom. Inflo-
rescence in a separate shoot.

Photo: ? b & w. roll #1 2nd

Fixed material: FAA leaves &
infloresc. (vial with inf. fixed 1 day after
collecting ^{collected by C. J. Foster 50 p. 10})

3:1 - inflorescences 2 "

Borg: " ?

October 29, 1971

2137

Panama, Province of Panama
Cerro Jefe.

to

Cryptochloa sp.

Growing in shady places
of forest associated with
Macaranga trees.

FAA: incl. base and inflo-
rescences.

Photo: 6 x 4 w/ roll WAPP #2

Oct. 29, 1971 2138
Panama, Prov. de Panama
Cerro Jefe.

Maculobrya tenuis.

In forest. Dark places,
some in smooth rocks
associated with cryptogams.
sp -

Photo: b & w roll #2 associated
with cryptogams.

no fixed material.

Oct 29, 1971 2139
Panama, Province of Panama
Cerro Jefe, near the begin-
ning of the road to the
cerro.

Olyra lateralis

Living plant: collected

Photo: b & w roll #3

Fixed material:

FAA - leaves, . spm (♀)

3:1 = ♂ spm.

Oct. 29, 1877. K 2140

Panama, Prov. of Panama
Cerro Zefe, near the beginning
of the road to the cerro.

Brasidos Rhipidoladum

Fixed material: FAA. leaves.

Sugar cane

Panama, Prov. of Panama
Road to Cerro Jefe -
(cultivated)

FAA: leaves

(no herb. specimen) no

Oct. 31, 1972

2141

Panama, Prov. of Panama, Colón
Santa Rita, from 12 to 20
km E of the Carretera
Transistmica.

9° 21' lat. North.

79° 43' long. West.

Calderonella citratica

Photo: 6 x 9 roll # 3

Fixed material: 3 vials

FAA = leaves, spher.

3:1 = spher.

Boquet = spher.

Living plant: collected.

2142

Panamá, Prov. of Colón,
Santa Rita, Near Agua
Clara, rain gauge station,
ca. 20 km E of the Carretera
Transistmice.

9° 21' lat. North

79° 42' long. West

alt: 350-400 m. s. m.

Arseria panamensis

FAA² - leaves & inflores.

3:1 - infl.

long - infl.

herb plant: collected.

no photo.

1 FAA val (material 2 bags - fresh) ^{fixed after}

In primary forest, along
very humid steps of a
creek

Oct. 31, 1972

2143

Panama, Prov of Colon,
Route Pite, \pm 18 Km E from
the Carretera Transistimice
(Mayaguez) *Tripsacum latifolium*
Nitch.

In a secondary growth of
cleared forest -

FAA = leaves, inflorescence -

Nov. 1, 1972

KMO

2144

Panama, Panama Canal,
Barro Colorado Island, A.
Armour Trail 8,
ca. $79^{\circ} 51'$ long. West
 $9^{\circ} 9' 50''$ lat. North

Olyra latifolia -

FAA = leaves -

Photo = roll # 3 box -

Nov. 1, 1971

Panama, Panama Canal ^{Como Colon} Is. Ar -

moose trail 5-8.

9° 09' 50" lat. North

79° 51' long. West.

alt. 500 m. s. m.

Streptochoeta spicata

FAA. leaves, inflores -

Boug - infloresc -

Nov. 1, 1971

Panama, Panama Canal ²¹⁴⁵ _{Bono Island} N. Ar -

mouse trail 5-8.

9° 09' 50" lat. North

79° 51' long. West.

- at sea

ultimo nape

3km de límite hacia la
represa del Bayano.
Prov. de Panamá.

Near Chepo (para Phrag-
Prov. Panamá mitotes)

1° nape Cerro Jefe.

5km al NE de Cerro Jefe,
La Encinta - 800 m. s. m.
Prov. Panamá

Jardínito Roberto: Cerro
Jefe - Prov. Panamá

Loma de Azuza: Babúya,
al E de Toumen - Prov.
de Panamá

O. lateralis : Cerro

Jefe, (\pm 100 m del Jardínito
de Roberto) al comienzo del
camino de Cerro Jefe.

1° nape
79° 42' Lat. N.
12° 21' Long. W.

Prov. de Colombia - 10 km from
Hera Maria Rain Gauge
Station.

- 500 m. Altitude -

\pm 20 km to the nearest Trans-
America - 350 - 400 m. s. m.

1° nape a J. Rute

Meklenburg \pm 10 km to the town
300 m s. m.

79° 45' Long.
9° 21' Lat.

Cerro de la Cruz, Chapito
5 km de la carretera
 \pm 200 m s. m.

Calamagrostis

12 K. e 20 km s. e. Kona

No 13 - near limits

2150 - Bamboo? K, MO

2151 - *Olyra latifolia* - ? K ✓

2152 - *Pharus noster* - ? ✓

2153 - *Stenotaphrum secundatum* ✓

2154 - *Olyra noster* ✓

2155 - (ote parake) Bamboo K, MO

2156 (Olyra - Bamboo)

2157 *Olyra peruviana* ✓ K

2158 (on d. canino *Phragmites*)

Handwritten notes on the left page, including a list of items and their corresponding values or prices.

Handwritten notes on the right page, continuing the list of items and their corresponding values or prices.

6 Jefe

514. FAA. 1^o Cryptid.
 515 B " *loja*
 516 O. Stanley FAA, *loja*, *tella*, *remat.*
 517 " J FAA, *inflor.*
 518. " B - fl. ♀
 519 " 3:1 *inflor.* (♂, ♀)
 520 *Bumelia* (Jard. Bot.) FAA, *loja*
 521 *Crypt. de comp.* - FAA *comp.*
 522 *Techouantus* FAA, *inf*, *loja*
 523 *Pharus* *comp.* FAA, *loja*
 524 *Bumelia* (*tella nana*) FAA "

ca. 3:1 de: (4 *frases*)
 Tecto - *Paniana* 1^a, *Paniana* 2
Cryptid. violeta

~~ca. 3:1~~
Lalbroella FAA, B,
Artemis, FAA, B
Meitica FAA

log (Barro Colorado) en *frase* *nitio*
 FAA: *loja* *Stup.* *foliivora* y *Stup.*
pyre *fontes* (7 *pasos* al *reparar*)

11-12 J. *loja* - FAA

2141 *Colobosoma* FAA *loja* 3:1 J. *loja*
 2142 *Artemis*
 2143 *Meitica*

2144 - *Barro Colorado*
 2145 - *Pharus* *loja*? *Artemis* *Trail* ± 8
 2146 *Stup.* *foliivora* (*no fruse*)
 2147 *Pharus*
 2148 *Stup.*
 2149 *Pharus* *loja*

Oct. 27. Santa Rita.

1^o ~~lyps~~ 2130 - *Maculobrya* - Pl.

2131 - *Cryptobrya* sp. - Pl

2132 - *beles de Maculobrya*

2133 - *Pariana* 1^a - Pl

2134 - *Crystallus chiquito* - Pl

2135 - *Cryptobrya Dressleri* - Pl

2136 - *Pariana florentina* - Pl
(male plant today)

entire
S. Rita

Oct. 29. Cerro Tepe.

2137 - *Cryptobrya*

2138 - *Maculobrya* - *ma. atajo* -

2139 - *Beauvoisia totensis* FRA, 31, Pl, etc

2140 - *Bambusa* - FRA

very scarce FRA. -

Bamboo: FRA. - *rojo*, *apenas* *mucha* ?

Oct. 31. Santa Rita

2141 - *Cryptobrya* - FRA by 31, Pl

2142 - *Asteria*

2143 - *Maculobrya* -

Nov. 1. Cerro Colorado

2144 - *Ophioglossum* sp.? Arroyo Trail ± 8

2145 - *Stephanopogon spicatus*

2146 - *Stephanopogon sodinense* (no fronds)

2147 - *Pharus*

2148 - *Stephanopogon*

2149 - *Pharus divus*

Oct. 21 Cerro Jefe

- 2121²¹²² - *Bambusa trispada* (vel *parviflora*)
2122²¹²³ (b) *Bambusa nishimura* *seringata* PL
2122(c) " " *nigra* y *na* *loja*
2123 *Olyra Stanley* - tiene *cañas*
suces (o *nigra* *para* *llera* -
2124²¹²¹ - *Cryptochloa* (*argentea*) PL
las *violaceas* y *las* *no* *violaceas*

Oct. 23: Cerro Campana

- 2125 *Cryptochloa* PL
2126 *Eleocharis*
2127 *Pharus* PL
2128 *Bambusa* (*xlo* *carvetua* ?)
2129 *O. lateralis*

- 514 FM *Crypt.* FAA *Cerro Jefe*
515 " *loja* B.
516 *O. Stanley* FAA *loja*, *talla* *apio*
517 " " *Crypt.* FAA
518 " " B
519 " " 3:1

520 *Bambusa* FAA

521 *Cryptochloa* - FAA *loja*, *y* *loja* *Campana*

522 *Eleocharis* *loja* *Campana* FAA

523 *Pharus* *loja* *Campana* FAA

524 *Bambusa* *loja* FAA

ch Crypt - FAA
 " Crypt B
 200 O. Hall - 200 FA
 100 " 100 FA
 ch - ch E B
 100 " 3:1
 50 Bamb. - FAA
 ch? Cryptoch - FAA
 50 Ichneumon " "
 50? Phaeus " "
 50 Bamb. nigr. " "
 ch 50 Mecturus " "
 ch? " 3:1
 50 " Bibes FAA
 ch? Cryptoch - FAA
 ch Crypt. big - FAA
 50? Crypt. grand - FAA
 ch " " 3:1
 ch? " " B?
 100? Parane 12 FAA
 50 ch " " 3:1
 - 50? " 22 FAA
 - ch? " " B
 - 50 " " 3:1
 - ch? Cryptoch - FAA
 200 Lata apical.
 ch - FAA lateral

2 ch. Crypt not
Z + 1 ch 7/50

FAA 31:
Calculation for

| | | | |
|---|--------|----------------|-------|
| 1 | ch | B lateralis | 3:1 |
| 1 | 50 | Banta | FAA |
| 1 | 50? | Colerionella | FAA |
| 1 | ch | " | 3:1 |
| 1 | ch | " | B |
| 1 | 50? | Arbenia | FAA |
| 1 | ch | " | B |
| 1 | 200? | " | 3:1 |
| 1 | 50 | Marilea - | FAA - |
| 1 | ch | Strep. spic - | FAA |
| 1 | 100? | O. latifolia? | " |
| 1 | 50? | Strep. f. sod. | " |
| 1 | 50 | Plenus? | " |
| 1 | 50 | Strep. topyn. | " |
| 1 | 50 | Orfoclele | " |
| 1 | 50 | Strep. sod. | " |
| 1 | 50 ch? | Strep. - | " |
| 1 | ch | O. latif - | " |
| 1 | 50 | Plenus mist - | " |
| 1 | 100 | Strep. f. sod. | " |
| 1 | 100? | " | 3:1 |
| 1 | ch | " | B |
| 1 | 50 | Bands finite | FAA - |
| 1 | 50 | two Bands. | " |
| 1 | ch | Olya - Bands | " |
| 1 | ch | Olya pequena | " |
| 1 | 100 | Phosphat - | " |

laminates

Former No.

Present No.

26

22

27

23

28

24

29

25

30

26

31

27

32

28

33

29

34

30

35

31

36

32

37

33

38

34

39

35

40

36

41

Color slides
No number

42

37

43

38

C.E.C. 1968 TROPICAL AMERICA

Former No.

Present No.

1

1

2

2

3

3

4

4

6

5

8

6

9

7

11

8

12

9

13

10

14

11

15

12

16

Color slides
No number

17

13

18

14

19

Color slides
No number

20

15

21

16

21a

17

22

18

23

19

24

20

25

21

6 Jefe

514 FAA. 1^o Crypt. tol.

515 B " Lofis

516 O. Stanley FAA, Lofis, talla, remat.

517 " J FAA, infloresc.

518. " B - fl. ♀

519 " 3:1 inflores. (♂, ♀)

520 ~~Baccharis~~ (Jari Dos.) FAA, Lofis

521 Crypt. de comp. - FAA ^{compa}

522 Technoutus. FAA, inf, Lofis

523 Pharus, compa FAA, Lofis

524 Baccharis (tallo naranja) FAA "

ca. 3:1 de: (4 fracos)

Tecto - Pariana 1^a, Pariana 2

Crypt. del. violeta

~~Ea +~~

Lalawella FAA, B,

Artemis, FAA, B

Maitoa FAA

Hay (Barro Colorado) en frasco nitro

FAA: Lofis Strep. foliacea y Strep.

Strep. foliacea (fijos al respirar)

